

ABSTRACT

5 A split gate flash memory. A drain is disposed in the
bottom of a trench formed in a substrate. A source is disposed
in the substrate outside the trench. A striped floating gate
is disposed at a sidewall of the trench, wherein one side of
the striped floating gate is near the bottom of the trench, and
the other side of the striped floating gate protrudes above the
substrate. A control gate winds along the floating gate,
wherein one side of the control gate is near the bottom of the
10 trench, and the other side of the control gate is outside the
trench. A metal bit line connects to the drain.